FRANK A. THOMAS & ASSOCIATES, INC.
CONSULTING ENGINEERS

H. William Bendfeldt
William D. Landeg
James E. Bouley
James R. Gills
Frank J. Federico

5000 EAST 345th STREET
WILLOUGHBY, OHIO 44094

(216) 951-9000

Water Supply & Treatment
Sewerage • Drainage
Wastewater Treatment
Land Development
Highways

August 6, 1973

Ohio Rubber Company
3911 Ben Hur
Willoughby, Ohio 44094

ATTN: Mr. Eldon Spencer

Gentlemen:

On July 23, 1973, the staff of Ohio Rubber Company and Peabody Engineering Company met concerning treatment of the liquid waste and odor control at the rubber reclaimation plant. We feel that a liquid incineration device will be an economical solution to the above problem. Fume incineration for odor control can be accomplished in the same unit using ventilating air from certain operations in the plant as combustion air for the burning process.

A composite sample of the condensate from the three devulcanization tanks was obtained and is being analyzed for heat value, sulfur and chloride, metal and water content by Commercial Testing and Engineering Company, Cleveland, Ohio. We expect to have final results of the tests on Monday, August 6, 1973. These results will be sent to Peabody Engineering immediately for a final evaluation and recommendation. The presence of large sulfur and chloride concentrations will warrant the addition of exhaust scrubbing equipment.

Prior to final design of the above incineration equipment, the following conditions will have to be met:

a. Condensate flows must be re-evaluated to insure proper sizing of the liquid handling facilities. Mr. Chuck Sandburg has indicated an orifice in the influent steam line to the devulcanization tanks can be replaced and steam flow metered the next time the units are shut down for maintenance. This work should be scheduled as soon as possible to finalize the quantities of condensate and blow down to be treated.

b. Our inspection shows that certain equipment, such as the strainer, result in the release of gases which are drawn off and exhausted to atmosphere. We feel that these

ventilators are the major source of the odor problem with the exception of those periods when the devulcanization units are being blown down. Collection of the gases will require new duct work and more efficient hooding to reduce the volume of air to the incinerator.

Once we have obtained the necessary information concerning volumes of liquid and air flow to the incinerator, we will proceed immediately with design and engineering of the proposed facilities. Peabody Engineering will have a firm proposal to you within two weeks concerning the equipment required, equipment and installation cost and delivery date. We are prepared to start immediately on the design of condensate collection and storage system, and reworking of duct work once the flow conditions have been verified. Peabody Engineering estimates that four weeks are required for engineering and shop drawing. Fabrication of the equipment will require twelve weeks. We estimate that the unit will be operational by January, 1974.

We are making every effort on our part to see that no additional delays are encountered. Should you have any questions on the above matter, please do not hesitate to call.

Very truly yours,

FRANK A. THOMAS & ASSOCIATES, INC.

Carl M. Seifried

Carl M. Seifried

CMS:nq